

Abstract

5 An electronic circuit for detecting measured quantities, having a sensor unit for generating an analog measurement signal and having a signal detecting unit (120) with a first analog/digital converter for digitizing the analog measurement signal. Differences in the fluctuations of the supply voltages that are supplied to the sensor unit and the signal detecting unit essentially result in the generation of undesirable fluctuations in the measurement signal.

10 To minimize these effects or compensate for them, the digitized measurement signal is corrected in response to a voltage signal (U) that represents the imprecision x_1 of the first supply voltage (VS1). (Fig. 2)